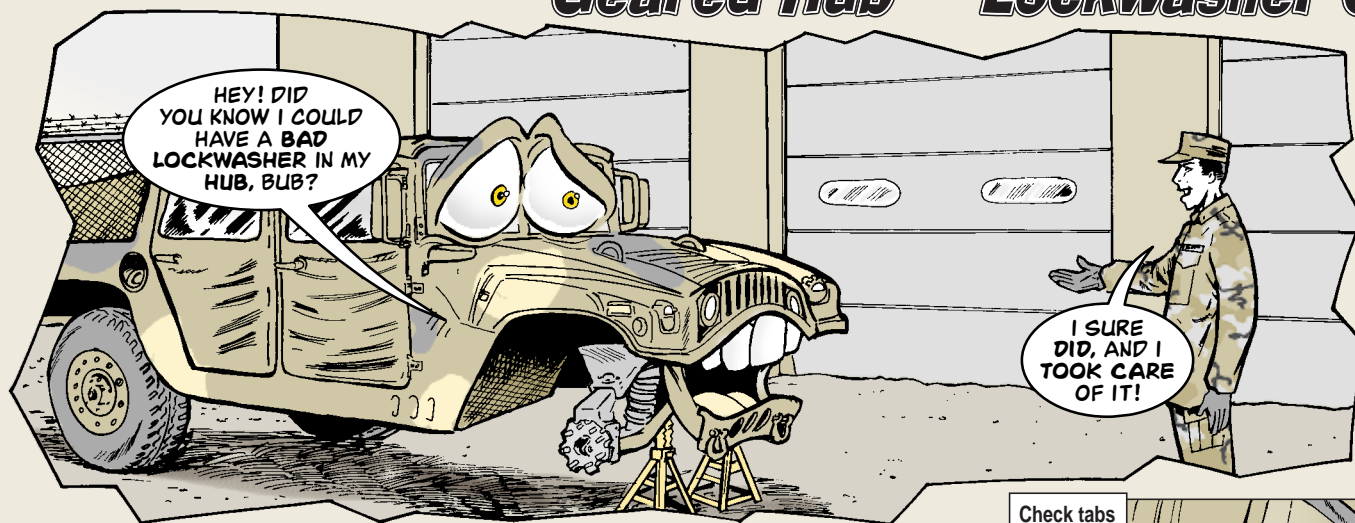


Geared Hub Lockwasher Check



Mechanics, you know to use geared hub lockwashers only once, then throw them away. But do you know there may be faulty lockwashers on your trucks or in your stock?

TACOM Safety-of-Use Messages (SOU) 00-014 and 00-017 called attention to lockwashers that are too thick to bend properly into the locknut slots. The tabs are also more likely to crack at the bend. The messages deadlined HMMWVs that had not been inspected and had replacement lockwashers installed.

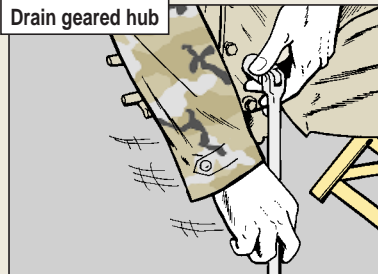
So you should know and you should have complied. Here's why:

Using these lockwashers increases the chances that the locknut will loosen and come off, which could cause a wheel to fall off.

If you have not complied with the inspection criteria found in the SOUMs, or you're not sure if your vehicles are using the right lockwashers, here's what to do now:

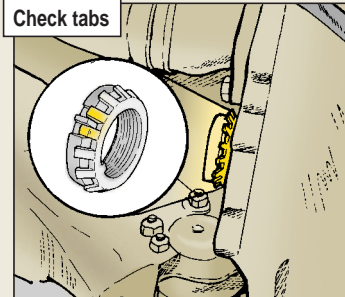
1. Remove each wheel assembly, drain the geared hubs and remove the steering arm covers.

Drain geared hub



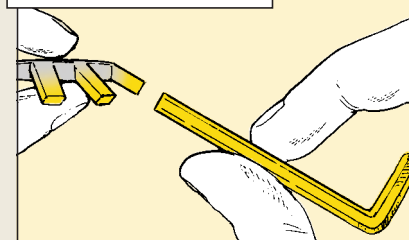
2. Clean the lockwasher tab surface and ensure that the bent tabs are flush against the surface of the locknut slot.

Check tabs



3. Look for cracks or breaks at the tab bends. If you find any cracks or breaks, replace the lockwasher with a new one, NSN 5310-01-213-4185, that is 0.090 (+/-0.010) inch thick.
4. If there are no cracks or breaks, measure the lockwasher's thickness using a 7/64-in hex head wrench. If the lockwasher is as thick or thicker than the hex head wrench, replace it. If the lockwasher is thinner than the wrench, it is serviceable.

Check lockwasher thickness



You can use a known good lock-washer instead of the hex head wrench for testing, but you must know the lockwasher is a good one. You can't just guess.

Compare with good lockwasher



To use another lockwasher to test, match a tab on it to a tab on the lockwasher installed on the truck. If the installed lockwasher is thicker than the good one, replace it. If the installed lockwasher is the same size or slightly thinner, it's serviceable and can be left on the vehicle.

The only other alternative to the inspection procedures is to replace all lockwashers with known good ones.

For details, get your hands on both SOUMs from your local TACOM logistics assistance representative.